

GALLIUM ARSENIDE JUNCTION DIODE-ACTIVATED UP-CONVERTING PHOSPHOR

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US3659136 (A1)
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Abstract not available for FR2044727
Abstract of correspondent: US3659136

Electro-luminescent output in the visible spectrum results from use of a GaAs infrared-emitting diode provided with a coating of a compound having at least one each of two different anions or at least one anion vacancy in some unit cells. The compound, exemplified by the oxychlorides and fluorochlorides, contains the ion pair $\text{Yb}3\text{+} < \text{Er}3\text{+} >$, $\text{Yb}3\text{+} < \text{Ho}3\text{+} >$, $\text{Yb}3\text{+} < \text{Tm}3\text{+} >$ or mixtures thereof.



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